

Example 13(S)-1,1-dimethylethyl 4-[6-amino-2-[(1,1-dimethylethoxy)carbonyl]amino]-1-oxohexyl]amino]-2-(3-hydroxyphenyl)benzoate

5 The product of example 8 was processed according to example 4D to provide the title compound.

MS (ESI) m/e 514 ($M+H$)⁺ ;

10 1 H NMR (300 MHz, DMSO-d₆) δ 10.23 (s, 1H), 7.66 (s, 1H), 7.63 (d, 1H), 7.20 (t, 1H), 7.08 (d, 1H), 6.76 (dd, 1H), 6.66 (d, 1H), 6.62 (d, 1H), 4.03 (m, 1H), 3.10 (m, 2H), 1.61 (m, 2H), 1.49 (m, 2H), 1.47 (s, 9H), 1.45-1.35 (m, 4H), 1.20 (s, 9H);
Anal. calcd for C₂₈H₃₉N₃O₆•0.5 H₂O: C, 64.35; H, 7.71; N, 8.04. Found: C, 64.12; H, 7.57; N, 7.78.

Example 14(S)-methyl 4-[[2-(acetylamino)-6-amino-1-oxohexyl]amino]-2-(3-hydroxyphenyl)benzoate

15 The product of example 12 was processed according to example 4D to provide the title compound.

MS (ESI) m/e 414 ($M+H$)⁺ ;

20 1 H NMR (300 Mhz, DMSO-d₆) δ 10.36 (s, 1H), 9.50 (s, 1H), 8.19 (d, 1H), 7.68 (m, 3H), 7.61 (bds, 2H), 7.18 (t, 1H), 6.74 (dd, 1H), 6.63 (m, 2H), 4.37 (m, 1H), 3.57 (s, 3H), 2.77 (m, 2H), 1.88 (s, 3H), 1.62-1.50 (m, 4H), 1.30-1.18 (m, 2H).

Example 15(S)-4-[[2-(acetylamino)-6-amino-1-oxohexyl]amino]-2-(3-hydroxyphenyl)benzoic acid

25 The product of example 8 was processed according to examples 11, 1D, and 4D to provide the title compound.

MS (ESI) m/e 400 ($M+H$)⁺ ;

30 1 H NMR (300 MHz, DMSO-d₆) δ 10.33 (s, 1H), 8.22 (d, 1H), 7.60 (m, 3H), 7.61 (m, 1H), 7.16 (t, 1H), 6.73-6.68 (m, 3H), 4.36 (m, 1H), 2.76 (t, 2H), 1.88 (s, 3H), 1.72-1.48 (m, 4H), 1.40-1.28 (m, 2H).

Example 16(S)-N-[4-[[2-(acetylamino)-6-amino-1-oxohexyl]amino]-2-(3-hydroxyphenyl)benzoyl]-L- α -asparagine